

Module 7: Hands-On: Creating a Deployment



Service in Kubernetes

Below is the command for Service yaml file:

apiVersion: v1
kind: Service
metadata: name:
my-nginx

spec:
type: NodePort
ports:
- targetPort: 80
port: 80
nodePort: 30008
selector:

app: nginx



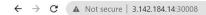
```
GNU nano 4.8
                                                            nginx service.yml
 apiVersion: v1
 kind: Service
 netadata:
  name: my-nginx
 spec:
   type: NodePort
   ports:
     - targetPort: 80
      port: 80
      nodePort: 30008
   selector:
     app: nginx
Note: the key value pair in the selector is taken from the deployment file.
                                                       deployement.yml
apiVersion: apps/v1
kind: Deployment
metadata:
  name: nginx-deployment
    matchLabels:
  app: nginx
replicas: 2 # tells deployment to run 2 pods matching the template
  template:
    metadata:
labels:
       app: nginx
    spec:
      containers:
       - name: nginx
         image: nginx:1.14.2
         ports:
```

NAME	TYPE	CLUSTER-IP	EXTERNAL-IP	PORT(S)	AGE
kubernetes	ClusterIP	10.96.0.1	<none></none>	443/TCP	32m
my-nginx	NodePort	10.103.247.61	<none></none>	80:30008/TCP	15m



To create a service:

kubectl create -f nginx_service.yml



Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to $\underline{nginx.org}.$ Commercial support is available at $\underline{nginx.com}.$

Thank you for using nginx.

